

Chapter 2 Part 1: Graphing Linear Equations

Unit Title: Futurama

Unit Question: Where am I Going?

Learner Profile: Reflective

Area of Interaction:
Health & Social Education

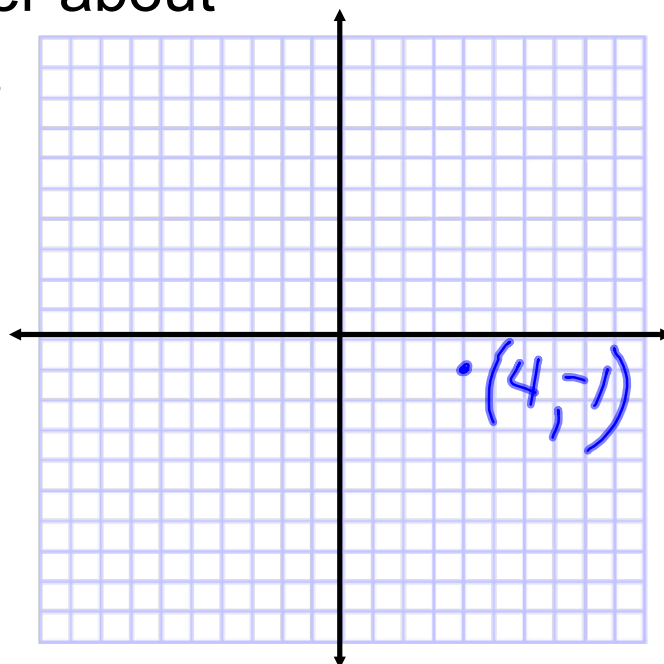


What do you remember about
Evaluating Expressions?

$$2ab - a^2 \quad \text{when } a=2 \quad b=(-3)$$

What do you remember about
Coordinate Graphing?

Graph the
ordered pair $(4, -1)$

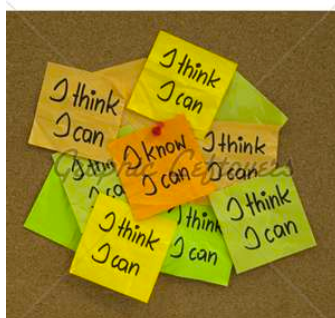


Complete Fair Game Review

Workbook p23 1-19 odd

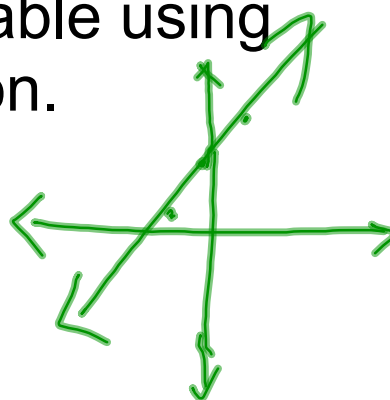
I Can Statement:

I can recognize a linear equation and draw its graph.



Copy and complete the table using the given equation.

$$y = 2x + 3$$



x	-1	0	1	2	3
y	1	3	5	7	9

Copy and complete the table using the given equation.

$$y = \frac{1}{2}x + 2$$

x	-1	0	1	2
y				

Vocabulary

Solution

Points: the ordered pairs in a table that are a solution to the equation.

Journal: Turn to page **25**.
With a partner complete
Activity 1.

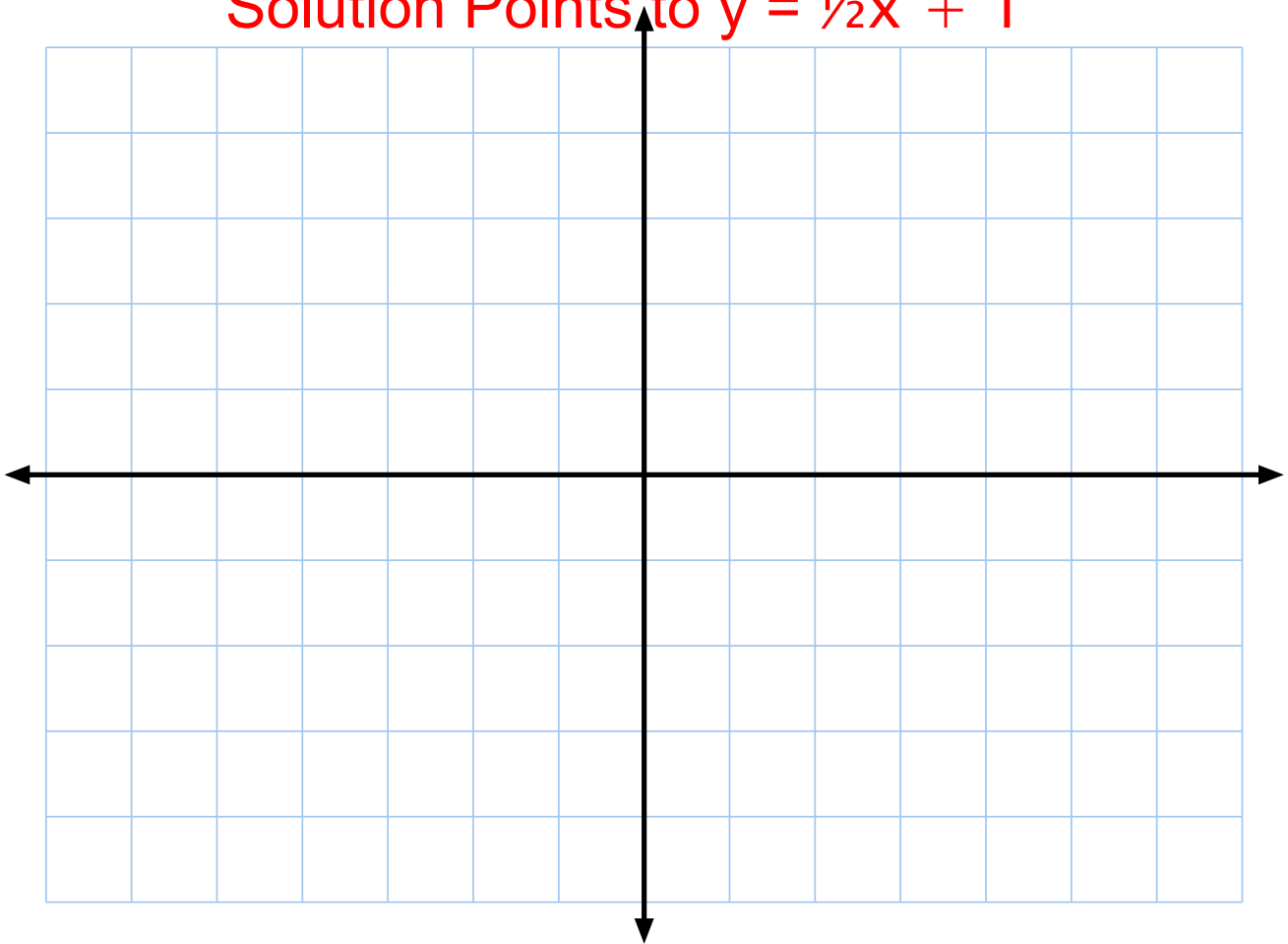
Read each question
carefully and use a ruler for
part c.

Be ready to share!!

Solution Points to $y = \frac{1}{2}x + 1$

x							
y							

Solution Points to $y = \frac{1}{2}x + 1$



Read the History of Analytic Geometry on pages 26 and 27.

When finished answer questions 3 & 4 on page 27 "What is Your Answer?"

3. IN YOUR OWN WORDS How can you recognize a linear equation? How can you draw its graph? Write an equation that is linear. Write an equation that is *not* linear.

4. Are you a visual learner? Most people can learn mathematics more easily when they see “pictures” of the mathematics. Why do you think Descartes’s invention was important to mathematics?

Classwork:

Journal p23-24 odd
p25-27 all

Homework:

Textbook p.52 1-7all